

# Weekly Report

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The POI extraction has been done and there are 244549 POIs within the areas covered by CELL in Wen Zhou. Since the GPS locations of Baidu have been distorted by some reason, the next problem is to correct the GPS locations. We have found some methods and are trying them at present. The result would be tested on the satellite view of GoogleMap since this view records the correct location. I plan to sample some distorted GPS locations and check which location-correcting method is effective.

Nominally, there are 5 students join in the mobile data project. However, Lin Tao and Wang Yue have gone home this week. Lu Junhua studies for the GRE examination at the end of this month. Xiang Yuxiang is fresh for coding. So in fact, there are not so many people working for this project at present. Before Lin leave, he has written the CELL viewer based on Treemap as Figure 1 illustrated.



Figure 1 The CELL viewer based on Treemap as Figure 1 illustrated.

I also try to depict the trajectories of each person in a way similar to reordering massive sequence views (Figure 2). I am trying to integrate the POI hybrid visualization into this view. This scheme may help for the people clustering.

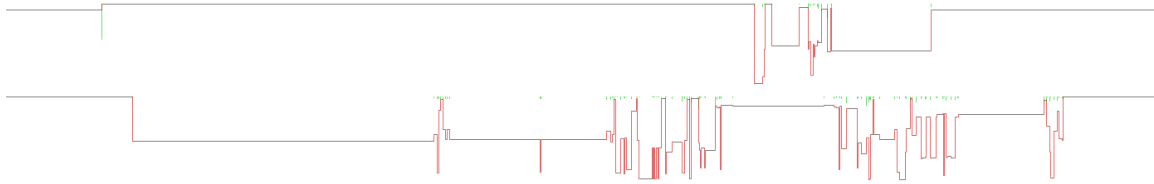


Figure 2 The transitions in the trajectories of two persons.